```r
#First install nleqslv packageby
typing: install.packages("nleqslv")

f = function(x){
y = numeric(2)
y[1] = pgamma(x[2],12,4.8) -
pgamma(x[1],12,4.8) - 0.95
y[2] = dgamma(x[1],12,4.8) -
dgamma(x[2],12,4.8)
y
}
library(nleqslv)
xstart = c(1.2,4.1)
nleqslv(xstart, f,
control=list(btol=.01),
method="Newton")
```